Index to Volume 45

The index is in two parts: the first deals with articles, and the second with book reviews. The pagination of the issues of this volume is as follows:

Issue 1 2 3 4 5 6
Pages 1–112 113–220 221–328 329–446 447–554 555–677

Articles

Articles are placed in alphabetical order of their authors. Those articles which appeared in a department, such as 'Notes and Discussions', are listed here without special indication.

- 447 AITON, E. J. Editorial
- 169 BAUMGARTNER, F. J. Galileo's French Correspondents
- 199 Bentley, J. Correspondence: Hofmann's Appointment to the College of Chemistry
- 591 BLAY, M. Varignon ou la théorie du mouvement des projectiles 'comprise en une Proposition générale'
- 451 Brackenridge, J. B. Newton's Mature Dynamics: Revolutionary or Reactionary?
- 183 CHAPIN, S. L. Lalande and the Length of the Year; Or, How to Win a Prize and Double Publish
- 113 DE CLERCQ, P. Science at Court: The Eighteenth-century Cabinet of Scientific Instruments and Models of the Dutch Stadholders
- 555 DONNELLY, J. F. Chemical Engineering in England, 1880–1922
- 295 DRAKE, S. The Tower Argument in the Dialogue
- 507 Duck, M. J. Newton and Goethe on Colour: Physical and Physiological Considerations
- 41 EMERSON, R. L. Sir Robert Sibbald, Kt, the Royal Society of Scotland and the Origins of the Scottish Enlightenment
- 345 GÁLVEZ, A. The Role of the French Academy of Sciences in the Clarification of the Issue of Spontaneous Generation in the Mid-Nineteenth Century
- 367 GAVROGLU, K., and GOUDAROULIS, Y. Understanding Macroscopic Quantum Phenomena: The History of Superfluidity 1941–1955
- 643 GRATTAN-GUINNESS, I. Emergences of Probability?
- 73 HENTSCHEL, K. Die Korrespondenz Duhem-Mach: Zur 'Modellbeladenheit' von Wissenschaftsgeschichte
- 521 HOME, R. W. Leonhard Euler's 'Anti-Newtonian' Theory of Light
- 399 INKSTER, I. Prometheus Bound: Technology and Industrialization in Japan, China and India Prior to 1914—A Political Economy Approach
- 191 MADDISON, R. E. W. An Unpublished Letter of Justus Liebig
- 193 MADDISON, R. E. W. The Life of Robert Boyle: Addenda
- 196 MADDISON, R. E. W. 'The Portraiture of Robert Boyle': Addenda
- 477 MELI, D. B. Leibniz's Excerpts from the Principia Mathematica

- 221 MILLBURN, J. R. The Office of Ordnance and the Instrument-Making Trade in the Mid-Eighteenth Century
- 329 MILLS, A. A. The Mercury Clock of the Libros del Saber
- 153 MORRELL, J. B. The Early Yorkshire Geological and Polytechnic Society: A Reconsideration
 - 1 STAFFORD, R. A. Roderick Murchison and the Structure of Africa: A Geological Prediction and its Consequences for British Expansion
- 619 STAMHUIS, I. H. The Mathematician Rehuel Lobatto Advocates Life Insurances in The Netherlands in the Period 1830-1860
- 387 WARNER, D. J. Commodities for the Classroom: Apparatus for Science and Education in Antebellum America
- 303 WILLIAMS, M. E. W. Begging for Science

Book Reviews

Books are gathered under the titles of sections which are used in the issues of the journal. Essay reviews commence the list as a group of their own.

Essay Reviews

- 303 ALTER, P. The Reluctant Patron: Science and the State in Britain 1850–1920 (M. E. W. Williams)
- 643 KRÜGER, L., DASTON, L., and HEIDELBERGER, M. (editors) The Probabilistic Revolution, Volume 1, Ideas in History (I. Grattan-Guinness)
- 643 Krüger, L., Gigerenzer, G., and Morgan, M. S. (editors) The Probabilistic Revolution, Volume 2, Ideas in the Sciences (I. Grattan-Guinness)

General Histories of Science

- 309 Bruce, R. V. The Launching of Modern American Science, 1846-1876 (E. H. Christianson)
- 93 KNIGHT, D. The Age of Science: The Scientific World-View in the Nineteenth Century (S. Forgan)

Editions and Selections

- 647 BENNETT, A. G., and EDGAR, D. F. (editors) Isaac Barrow's Optical Lectures ('Lectiones XVIII'). Translated by H. C. Fay (A. E. Shapiro)
- 427 DA CUNHA, J. A. Principes mathématiques (1811) (I. Grattan-Guinness)
- 427 DA CUNHA, J. A. Principios mathematicos para instrucção dos alumnos do Collego de São Lucas da Real Casa Pia do Castello da São Jorge: offerecidos ao Serenissimo Senhor D. Joao, Principe do Brazil (1790) (I. Grattan-Guinness)
- 201 DESCARTES, R. Exercices pour les éléments des solides. Essai en complément d'Euclide (G. Keil)
- 94 HALL, A. R., and HALL, M. B. (editors) The Correspondence of Henry Oldenburg, Volumes 12 and 13 (D. Bertoloni Meli)
- 427 Jose Anastacio da Cunha (1744-1787): Matématico e poeta (I. Grattan-Guinness)
- 535 LEIBNIZ, G. W. Sämtliche Schriften und Briefe. Dritte Reihe: Mathematischer, Naturwissenschaftlicher und Technischer Briefwechsel (E. J. Aiton)
- 310 MAZZOLINI, R. G., and ROE, S. A. (editors) Science Against the Unbelievers: The Correspondence of Bonnet and Needham, 1760-1780 (P. L. Farber)
- 310 SNELDERS, H. A. M. (editor) The Letters from Gerrit Jan Mulder to Justus Liebig (1838–1846) (M. Teich)
- 648 VICKERS, B. (editor) English Science, Bacon to Newton (P. Gouk)

Essays and Biographies

- 429 ALVAREZ PELAEZ, R. Sir Francis Galton, Padre de la eugenesia (G. M. McGuire)
- 536 BENSON, S., BARGER, A. C., and WOLFE, E. L. Walter B. Cannon: The Life and Times of a Young Scientist (C. Lawrence)
- 649 DAUMAS, M. Arago. La jeunesse de la science (I. Grattan-Guinness)
- 95 DUMAITRE, P. Ambroise Paré. Chirurgien de 4 rois de France (C. Jones)
- 96 FRENKEL', IA. I. Vospominananiia Pis'ma, Dokumenty. Edited by V. Ia. Frenkel' (L. Belloni)
- 536 LOEFFEL, H. Blaise Pascal 1623-1662 (E. J. Aiton)
- 202 Mariotte, Savant et Philosophe (†1684): Analyse d'une renomnée (W. R. Shea)
- 201 Purket, W., and Ilgauds, H. J. Georg Cantor 1845-1918 (I. Grattan-Guinness)
- 428 RAVEN, C. E. John Ray, Naturalist: His Life and Works, second edition (M. Nicholson)
 - 95 TAYLOR, J. G. (editor) Tributes to Paul Dirac (J. Hendry)
- 311 WILSON, D. B. Kelvin and Stokes: A Comparative Study in Victorian Physics (P. M. Harman)

History of Philosophy

96 DEDEYAN, C. Diderot et la pensée anglaise (J. Lough)

Historiography of Science

- 538 KRAGH, H. An Introduction to the Historiography of Science (C. Dilworth)
- 312 PORTER, R., and TEICH, M. (editors) Revolution in History (P. B. Wood)

Philosophical Aspects of Science

- 651 ENGELHARDT, H. T., JR and CAPLAN, A. L. (editors) Scientific Controversies. Case Studies in the Resolution and Closure of Disputes in Science and Technology (J. Z. Buchwald)
- 202 Franklin, A. The Neglect of Experiment (L. Belloni)
- 649 HOLTON, G. The Advancement of Science, and its Burdens: The Jefferson Lecture and Other Essays (S. Unguru)
- 651 PITT, J. C., and PERA, M. (editors) Rational Changes in Science: Essays on Scientific Reasoning (J. Z. Buchwald)

Science and Religion

- 97 LINDBERG, D. C., and NUMBERS, R. L. (editors) God and Nature: Historical Essays on the Encounter between Christianity and Science (J. L. Russell)
- 539 SMITH, B. (editor) Truth Liberty Religion (B. W. Taylor)

Social Aspects of Science

653 CRAWFORD, E., HEILBRON, J. L., and ULLRICH, R. The Nobel Population 1901–1937: A Census of the Nominators and Nominees for the Prizes in Physics and Chemistry (D. Cahan)

Education and Institutions

- 99 FOURCY, A. Histoire de l'École Polytechnique (M. Bradley)
- 203 GRAFTON, A., and JARDINE, L. From Humanism to the Humanities: Education and the Liberal Arts in Fifteenth- and Sixteenth-Century Europe (P. Burke)

- 101 HALL, A. R., and BEMBRIDGE, B. A. Physic and Philanthropy: A History of the Wellcome Trust 1936-1986 (J. Lenihan)
- 100 LANGINS, J. La republique avait besoin de savants. Les débuts de l'École Polytechnique: l'École centrale des travaux publics et les cours revolutionnaires de l'an III (I. Grattan-Guinness)

Libraries and Museums

430 GIACARDI, L., and ROERO, C. S. (editors) Bibliotheca Mathematica. Documenti per la storia della matematica nelle bibliothece Torinesi (I. Grattan-Guinness)

Bibliography and Reference

- 314 GASCOIGNE, R. M. A Chronology of the History of Science, 1450-1900 (G. L'E. Turner)
- 541 MOLLAN, C., with BYRNE, E., BRIGHT, J., O'DUFFY, N., and DESMOND, B. Nostri Plena Laboris: An author index to the RDS scientific journals 1800–1985 (A. V. Simcock)
- 540 WALLIS, R. V., and WALLIS, P. J. Bibliography of British Mathematics and its Applications: Part II, 1701-1760 (G. L'E. Turner)

Maps and Charts

- 204 KONVITZ, J. W. Cartography in France 1660–1848: Science, Engineering and Statecraft (I. Grattan-Guinness)
- 542 TUFTE, E. R. The Visual Display of Quantitative Information (J. A. Bigos)

Geography and Navigation

- 431 LAFUENTE, A., and MAZUECOS, A. Los Caballeros del Punto Fijo (A. McConnell)
- 654 PIÑERO, J. M. L. El arte de navegar en la España del Renacimento (G. L'E. Turner)

Travel and Explorations

542 MOYLE, A. 'A Bright and Savage Land'. Scientists in Colonial Australia (P. J. Whitehead)

Eastern and Oriental Sciences

315 RONAN, C. A. (abridged from J. Needham's original text) The Shorter Science and Civilisation in China, Volume III: Nautical Science (O. T. Benfey)

Technology and Engineering

- 655 BUKER, W. E., HUGHES, T. P., and PINCH, T. (editors) The Social Construction of Technological Systems: New Directions in the Sociology and History of Technology (C. Lawrence)
- 206 HART, C. The Prehistory of Flight (R. Higham)
- 204 NEEDHAM, J. (with the collaboration of Ho PING YÜ, LU GWEI-DJEN and WANG LING) Science and Civilisation in China, Volume 5, Chemistry and Chemical Technology, Part VII, Military Technology; the Gunpowder Epic (H. J. Sheppard)

Instruments and Measurement

- 656 Bennett, J. A. The Divided Circle: A History of Instruments for Navigation, Astronomy and Surveying (H. D. Howse)
- 103 CATTERMOLE, M. J. G., and WOLFE, A. F. Horace Darwin's Shop: A History of the Cambridge Scientific Instrument Company, 1878 to 1968 (J. Burnett)
- 545 CONNOR, R. D. The Weights and Measures of England (M. A. Crawforth, D. F. Crawforth and A. R. Rangeley)
- 544 KING, D. A. Islamic Astronomical Instruments (E. S. Kennedy)
- 543 PHILLIPS, V. J. Waveforms: A History of Early Oscillography (G. L'E. Turner)

Mathematics and Logic

- 433 300 Jahre 'Nova Methodus' von G. W. Leibniz (1684-1984) (J. L. Greenberg)
- 316 HOGENDIJK, J. P. Ibn al-Haytham's Completion of the Conics (K. Jaouiche)
- 658 KING-HELE, D. G., and HALL, A. R. (editors) Newton's Principia and its Legacy (J. B. Brackenridge)
- 657 La matematica italiana tra le due guerre mondiale. Milano, Gargnano del Garda, 8-11 ottobre (I. Grattan-Guinness)
- 206 Reis, H. Harmonie und Komplementarität, Harmonikale Interpretation des pythagoreischen Lehrsatzes. Orpheus Schriftenreihe zu Grundfragen der Musik, Band 33 (M. Fend)
- 317 SCHMIDT, R. (editor) The Algebra geometrica of Paolo Bonasoni (circa 1575) (R. Franci)
- 433 SCHMIDT, R., and BLACK, E. (editors) The Early Theory of Equations: On Their Nature and Constitution (R. Franci)

Natural Philosophy

- 318 Amrine, F., Zucker, F. J., and Wheeler, H. (editors) Goethe and the Sciences: A Reappraisal (B. Gower)
- 437 BRUNDELL, B. Pierre Gassendi: From Aristotelianism to a New Natural Philosophy (H. J. Wickes)
- 318 BUTTS, R. E. (editor) Kant's Philosophy of Physical Science (B. Gower)

Physical Sciences

- 546 BEVILACQUA, F. (editor) Proceedings of the VII National Congress on History of Physics (P. Brenni)
- 319 BLUM, W., DÜRR, H. P., and RECHENBERG, H. (editors) Werner Heisenberg, Gesammelte Werke—Collected Works, Series A, Part I, Wissenschaftliche Originalarbeiten—Original Scientific Papers (L. M. Brown)
- 439 BOYER, C. B. The Rainbow: From Myth to Mathematics (G. L'E. Turner)
- 321 Chan, M., and Kassler, J. C. (editors) Roger North's Cursory Notes of Musicke (c. 1698–1703): A Physical, Psychological and Critical Theory (L. E. Miller)
- 660 COSTA DE BEAUREGARD, O. Time, the Physical Magnitude (G. J. Whitrow)
- 438 ECKERT, M., and SCHUBERT, H. Kristalle, Elektronen, Transistoren—Von der Gelehrtenstube zur Industrieforschung (J. Meya and H. O. Sibum)
- 104 Fine, A. The Shaky Game: Einstein, Realism, and the Quantum Theory (A. Franklin)
- 207 GARBER, E., BRUSH, S., and EVERITT, C. W. F. (editors) Maxwell on Molecules and Gases (J. Z. Buchwald)

- 547 GLICK, T. F. (editor) The Comparative Reception of Relativity (C. W. Kilmister)
- 107 JUNGNICKEL, C., and McCORMMACH, R. Intellectual Mastery of Nature: Theoretical Physics from Ohm to Einstein, Volume 1, The Torch of Mathematics, 1800–1870 (K. L. Caneva)
- 547 KUHN, T. S. Black-Body Theory and the Quantum Discontinuity, 1894-1912 (D. R. Topper)
- 547 RAY, C. The Evolution of Relativity (C. W. Kilmister)
- 659 WILLIAMSON, R. (editor) The Making of Physicists (N. M. Clarke)
- 322 WOLTERS, G. Mach I, Mach II, Einstein und die Relativitätstheorie. Eine Fälschung und ihre Folgen (J. Illy)

Astronomy and Cosmology

- 663 BAASNER, R. Das Lob der Sternkunst. Astronomie in der deutschen Aufklärung
 (E. Dekker)
- 661 HARRISON, E. Darkness at Night: A Riddle of the Universe (D. W. Hughes)
- 208 HOWSE, H. D. (compiler) The Greenwich List of Observatories: A World List of Astronomical Observatories, Instruments and Clocks, 1670–1850 (S. R. C. Malin)
- 440 KUNITZSCH, P. Peter Apian und Azophi: Arabische Sternbilder in Ingolstadt im frühen 16. Jahrhundert (R. K. DeKosky)
- 662 WEIDEMANN, V. Theatrum Cometicum. Hamburg und Kiel im Zeichen der Kometen von 1664 und 1665 (E. Dekker)
- 209 WRIGHT, H. James Lick's Monument: The Saga of Captain Richard Floyd and the Building of the Lick Observatory (E. Harrison)

Heat and Optics

108 CARNOT, S. Reflexions on the Motive Power of Fire: A Critical Edition with the Surviving Manuscripts (K. Hutchison)

Chemistry

- 109 ADLER, J. 'Eine fast magische Anziehungskraft': Goethes 'Wahlverwandtschaften' und die Chemie seiner Zeit (A. J. Rocke)
- 664 ELIAS, H.-G. Mega Molecules. Tales of Adhesives, Bread, Diamonds, Eggs, Fibers, Foams, Gelatin, Leather, Meat, Plastics, Resists, Rubber, ... and Cabbages and Kings (R. F. Bud)
- 324 MEINEL, C. (editor) Die Alchemie in der europäischen Kultur- und Wissenschaftsgeschichte (K. H. Veltman)
- 664 ROYAL SOCIETY OF CHEMISTRY Historical Aspects of Gas Separation (R. F. Bud)

Natural History

- 211 BUFFETAUT, E. A Short History of Vertebrate Palaeontology (B. Theunissen)
- 211 RICE, A. L. (editor) Deep-Sea Challenge—the John Murray Mabahiss Expedition to the Indian Ocean, 1933-34 (A. McConnell)

Earth Sciences

665 HOYT, W. G. Coon Mountain Controversies (J. E. Guest)

Life Sciences

216 ARBER, A. Herbals: Their Origin and Evolution: A Chapter in the History of Botany, 1470-1670 (F. M. Getz)

- 214 BOWLER, P. J. Theories of Human Evolution: A Century of Debate 1844 to 1944 (M. Ruse)
- 213 BURKHARDT, F., and SMITH, S. (editors) The Correspondence of Charles Darwin, Volume 2, 1837–1843 (M. Ruse)
- 549 DARWIN, C. Charles Darwin's Natural Selection: Being the Second Part of his Big Species Book written from 1856 to 1858 (P. J. Bowler)
- 325 Grene, M. (editor) Dimensions of Darwinism: Themes and Counterthemes in Twentieth-Century Evolutionary Theory (J. Farley)
- 326 HENIGER, J. Hendrik Adriaan van Reede tot Drakenstein (1636–1691) and Hortus Malabaricus: A Contribution to the History of Dutch Colonial Botany (H. J. Cook)

Medicine and Health

- 217 AINSWORTH, G. C. Introduction to the History of Medical and Veterinary Mycology (J. Théodoridès)
- 551 BALY, M. E. A History of the Queen's Nursing Institute (A. Summers)
- 670 BLISS, M. The Discovery of Insulin (C. Lawrence)
- 668 Brazier, M. A. B. A History of Neurophysiology in the 19th Century (B. Bracegirdle)
- 549 CARMICHAEL, A. G. Plague and the Poor in Renaissance Florence (J. Arrizabalaga)
- 441 COLEMAN, W. Yellow Fever in the North: The Methods of Early Epidemiology (L. Wilkinson)
- 219 COOK, H. J. The Decline of the Old Medical Regime in Stuart London (B. J. Mowry)
- 110 HORDER, T. J., WITKOWSKI, J. A., and WYLIE, C. C. (editors) A History of Embryology (J. B. Hagen)
- 218 JONES, G. Social Hygiene in Twentieth Century Britain (S. Blackden)
- 667 Maggs, C. (editor) Nursing History: The State of the Art (J. Lynaugh)
- 668 MARLAND, H. Medicine and Society in Wakefield and Huddersfield 1780–1870 (K. Webb)
- 111 NOONAN, J. T., JR Contraception: A History of its Treatment by the Catholic Theologians and Canonists (M. Seaholm)
- 441 Numbers, R. L. (editor) Medicine in the New World, New Spain, New France, and New England (J. Duffy)
- 550 PORTER, R., and WEAR, A. (editors) Problems and Methods in the History of Medicine (R. K. French)

Psychology

SOKAL, M. M. (editor) Psychological Testing and American Society 1890–1930(M. W. McPherson)

Astrology and Occult Sciences

- 553 Braude, S. E. The Limits of Influence: Psychokinesis and the Philosophy of Science (C. S. Alvarado)
- 443 CURRY, P. (editor) Astrology, Science and Society (A. Geneva)